

FROM THE DEAN

Carolina Arts & Sciences Fall 2008



Bruce W. Carney

Still making a difference, with your help

Former Dean Holden Thorp's elevation to chancellor is great news for UNC and for North Carolina (see *inside back cover*). It also presents new opportunities for the College of Arts and Sciences.

Holden is one of our own — a Kenan professor, former chemistry chair, N.C. native and College alumnus. He understands the centrality of the College to "the Carolina experience." Like all of us in the College, he wants what's good for UNC to be good for the state and the world.

That's why I am delighted to serve as interim dean as the University searches for the next dean of the College. I'm drawing on my experience as a longtime faculty member, former chair of the department of physics and astronomy and former senior associate dean for the College. I expect a smooth transition as we continue moving ahead with our current senior management team, with the addition of distinguished physicist Thomas Clegg as interim senior associate dean for the sciences.

Thanks to Holden's leadership, the excellence of our colleagues, staff and students, and the generosity of our alumni and friends, the College is stronger than at any time in our history. We ended the Carolina First campaign with nearly \$390 million in private gifts.

We are not standing still. In this issue of our magazine, you can learn how the most recent gifts to the College are enhancing our academic programs in Honors, creative writing, political science, Jewish studies, physics, computer science and mathematics.

You can also see how discovery, creativity and learning in the College affect lives in and beyond North Carolina. For example, our faculty associated with the Institute for the Study of the Americas and the Center for Global Initiatives are studying the unintended consequences of new immigrant deportation efforts involving local law enforcement agencies.

This issue also features historian Robert Allen, who is developing the first online statewide database documenting the social and cultural experience of movie-going in the early 20th century.

You'll also learn that alumni Jeb Stuart, a Hollywood screenwriter/director, and Mike Wiley, a North Carolina actor/playwright, are adapting *Blood Done Sign My Name*, Tim Tyson's memoir of an Oxford, N.C., racial murder, for both the stage and screen. And alumnus and Hollywood star Billy Crudup is set to receive the PlayMaker Award.

Our cover story finds *Big Fish* author Daniel Wallace adjusting to life as a successful novelist and a distinguished professor of English. Another feature reveals how computer scientist Gary Bishop and his students are developing technologies that directly benefit children with visual impairments and other disabilities.

We couldn't resist asking public policy professor Hodding Carter, Jimmy Carter's State Department spokesperson and a longtime broadcast commentator, to analyze the role of the press in this historic presidential campaign.

Finally, in our annual Honor Roll, we salute the many alumni and friends whose generosity ensures that College faculty, students and programs continue to make a difference in North Carolina and the world. We thank you for your support and for staying connected to Carolina through the College of Arts and Sciences.

Bruce W. Carney, Interim Dean

The College of Arts & Sciences

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- Thomas Clegg
 Interim Senior Associate Dean, Sciences
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Cover photo: Daniel Wallace gets used to his self-portrait and his new role as J. Ross Macdonald Professor of English and Creative Writing. (Photo by Steve Exum, illustration by Daniel Wallace)

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inside back cover

We pay tribute to Holden Thorp, Carolina's new chancellor.

HIGH ACHIEVERS

Billy Crudup

Tony Awardwinning theatre and film star and UNC alumnus Billy Crudup will receive the PlayMaker Distinguished Achievement Award at the 21st annual PlayMakers Ball in November.

The ball is the annual fund-raising gala for PlayMakers Repertory Company, the professional theatre in residence in the College of Arts and Sciences.

Crudup, who received an undergraduate degree in speech communications from Carolina in 1990, has had several starring roles in Hollywood films in recent years. He earned a Best Actor Award from the Paris Film Festival for his star performance in the critically acclaimed movie "Jesus' Son," and he had a major part as a rock musician in the Academy Award-winning film "Almost Famous" with Frances McDormand and Kate Hudson. He also starred in "Charlotte Gray" and "World Traveler."

He was most recently seen in the romantic comedy "Dedication," opposite Mandy Moore. In 2006, he played alongside Robert DeNiro, Matt Damon and Angelina Jolie in "The Good Shepherd." He was also in the third installment of "Mission Impossible." His next project is playing J. Edgar Hoover in "Public Enemies."

Crudup was seen in "Big Fish," Columbia Pictures' comic fantasy for director Tim Burton, based on the novel by UNC English professor Daniel Wallace. (See story on Daniel Wallace on page 14.)

Crudup has also earned major credits and honors in the theatre. He won a "Best Performance by a Featured Actor" Tony Award for his role in the Broadway production of "The Coast of Utopia" in 2006. He was seen in "The Pillowman" in 2005, and he received a Tony nomination for "Best Actor."

Billy Crudup

He starred in "The Elephant Man" at the Royale Theater, for which he was nominated for a Tony for "Best Performance by a Leading Actor in a Play." He made his Broadway debut in Tom Stoppard's "Arcadia," which won him several

awards, including the Outer Critics Circle Award for "Outstanding Debut of an Actor."

Kevin Stewart

USA Baseball committee chair

USA Baseball has named exercise and sport science professor *Fred Mueller* as the chair of the organization's medical and safety advisory committee.

Mueller is also the director of the National Center for Catastrophic Sports Injury Research, based at UNC, and the research director for the National Operating Committee on Standards for Athletic Equipment.

A member of the medical and safety advisory committee since 1993, Mueller takes over the position of chair from the late Barry Goldberg of Yale University.

USA Baseball governs national amateur baseball and is a member of the United States Olympic Committee.

This teacher really rocks

How old is Grandfather Mountain? Are the Barrier Islands moving? Is there gold in the Carolinas?

These are the kinds of questions geologist Kevin Stewart answers through his classes, his research and his latest book, Exploring the Geology of the Carolinas. Stuart won the 2008 Board of Governors' Award for Excellence in Teaching, the top instructional honor given to a tenured faculty member at each UNC campus.

Stewart communicates his contagious enthusiasm for geologic knowledge to his Carolina students at all levels. A member of the Chapel Hill faculty since 1986, he teaches classes in structural geology and the geology of North America, as well as a seminar on the geology of North Carolina open only to first-year students.

Fred Mueller

He loves teaching geology as much as his students enjoy learning about it. "Many of the world's most pressing problems, such as global warming, are geologic problems," he says, "so I

think the students can see an immediate connection between what they learn in the classroom and what they see in the news."

His book, published by UNC Press, includes a brief geological history of the Carolinas with 31 field trips to easily accessible and often familiar sites, such as Chimney Rock, Linville Falls, Stone Mountain, Jockey's Ridge and Oregon Inlet.

names Mueller

HIGH ACHIEVERS



DeSimone wins prestigious MIT prize

Chemist *Joseph M. DeSimone* won the prestigious \$500,000 Lemelson-MIT Prize for his innovations in polymer chemistry. He was cited for pioneering inventions, lab-to-marketplace entrepreneurship and commitment to mentorship.

DeSimone is the Chancellor's Eminent Professor of Chemistry in UNC's College of Arts and Sciences and the William R. Kenan Jr. Distinguished Professor of Chemical Engineering at N.C. State University.

A well-recognized chemist and polymer expert, DeSimone is known for the development of groundbreaking solutions in green manufacturing and

promising applications in gene therapy and drug delivery, as well as medical devices.

"Joe is clearly one of the most inventive researchers in all of science," said Robert S. Langer, Institute Professor at the Massachusetts Institute of Technology, who nominated DeSimone for the prize.

The Lemelson-MIT Program recognizes outstanding inventors, encourages sustainable new solutions to real-world problems, and enables and inspires young people to pursue creative lives and careers through invention.

ONLINE EXTRA: Video profile and podcasts: http://college.unc.edu.

PÉREZ NAMED ACADEMY OF ARTS AND SCIENCES FELLOW



Louis Pérez Jr.

istorian *Louis Pérez Jr.* has been elected a fellow of the American Academy of Arts and Sciences, one of the nation's oldest and most prestigious honorary societies.

Pérez is the J. Carlyle Sitterson Professor of History and director of UNC's Institute for the Study of the Americas. His current research explores the sources of Cuban nationality and identity. He is the author of *To Die in Cuba: Suicide and Society* (2005), a social and cultural history of

suicide in Cuba, and his latest, *Cuba in the American Imagination*, (see page 27) both by UNC Press. His research interests center on the 19th and 20th century Caribbean, with emphasis on the Spanish-speaking Caribbean. He teaches courses on the history of Latin America, Mexico, the Caribbean and Cuba.

The list of new Academy fellows includes U.S. Supreme Court senior associate justice
John Paul Stevens, computer company founder Michael Dell, two-time cabinet secretary and
former White House Chief of Staff James A. Baker III, Academy Award-winning filmmakers
Ethan and Joel Cohen, and blues guitarist B.B. King.

Chemist wins DuPont Young Professor award

Wei You, assistant professor of chemistry, has received a \$75,000 DuPont Young Professor grant.

He is one of only 17 researchers from the United States, China, Spain and India to be chosen for the award this year.

You's research includes work

in the field of organic

photovoltaics, solar cells

that are thinner and more

flexible than traditional

silicon-based solar cells.

He will use the three-year grant to explore new materials and ways of fabricating photovoltaic cells, with the aim of creating high efficiency, low-cost cells that use sunlight to generate energy.

The DuPont program is designed to provide start-up assistance to promising young and untenured research faculty working in areas of interest to DuPont's long-term business.

HIGH ACHIEVERS

Super student scholars

Seven students in the College have received national distinguished scholarships.

• Lisa Bond of Bowie, Md., and Stephanie Jones of Cary, N.C., were named Churchill Scholars.

The scholarships support graduate work at Cambridge University in England and are valued at \$46,000 to \$52,000.

Bond was a biology major with a chemistry minor at Carolina. She will use the scholarship to earn a master's degree in biochemistry. Jones, a chemistry major with a minor in entrepreneurship, will seek a master's degree in chemistry. Both aim to become university research professors.

At UNC, Bond was a research assistant in the genetics lab of biology professor Kerry Bloom. She also was an author on a scientific paper published in January in *Current Biology*.

Last year, Bond interned at the National Heart, Lung and Blood Institute of the National Institutes for Health. She studied the role that myosin proteins play in cellular processes, including transportation of messenger RNA. Mutation of one of these proteins has been implicated in disorders including heart disease; too much of the protein may play a role in prostate cancer, she said.

Jones had conducted research at UNC since she was a high school junior.

"The University of Cambridge will be the perfect place to continue my exploration of how chemical factors contribute to stem cell biology, and how materials can be rationally designed to induce differentiation and tissue repair," she said.

• Danielle Allen of Monroe, N.C., received a Truman Scholarship, which is worth \$30,000 for graduate studies.

Allen plans to use the award to attend







Stephanie Jones



Danielle Aller



Mike Tarrant



Elinor Benami

law school. A double major in public policy and economics, she also is earning a minor in urban studies and planning at UNC. She plans to become an attorney for an organization that works to address inequalities in public education.

She was also recently named one of *Glamour Magazine's* "Top 10 (Next) Role Models," a title given to highly accomplished female college students.

The summer after her freshman year at UNC, Allen taught English to socioeconomically disadvantaged children in Austin, Texas — one of four summer enrichment and service experiences provided to her as a Morehead-Cain Scholar.

Before law school, Allen plans to work for two years with Teach for America.

• *Mike Tarrant* of Raleigh, N.C., was awarded a Luce Scholarship to live and learn in Asia.

A double major in political science and communication studies, Tarrant was student body vice president at Carolina.

The Henry Luce Foundation provides the scholarships for a year's internship in Asia, with the goal of acquainting future American leaders with Asian colleagues in their fields. Tarrant plans to pursue graduate degrees in public administration or public policy and higher education administration.

"I intend to dedicate my life to ensuring that higher education continues to be 'the mind in service to society,'" Tarrant said.

• Elinor Benami of

Knoxville, Tenn., was awarded a Morris K. Udall Undergraduate Scholarship, one of the nation's top merit awards.

The award will cover tuition, books, room and board for up to \$5,000 for Benami's junior year.

Benami, who is double-majoring in international studies and economics, plans a career in environmental consulting.

"Through my work, I hope to encourage an understanding of how environmental issues have ramifications on many other significant issues in the world," she said.

Udall scholarships are awarded to students interested in careers in environmental, health care or public policy.

• Ben Edwards of Knightdale, N.C., and Ben Bogardus of Cullowhee, N.C., have won Hollings Scholarships from the National Oceanic and Atmospheric Administration (NOAA).

The Hollings Scholarships provide \$8,000 in academic assistance during the winners' junior and senior years. The program also provides a 10-week paid summer internship.

Edwards is pursuing a major in environmental science and a minor in marine sciences. He is a Carolina Scholar and a National Marine Science Bowl state champion.

Bogardus is pursuing a major in environmental science and a minor in geology. He serves as a research assistant for the UNC geography department on a dam and stream restoration study in Chapel Hill and the Adirondacks.

POINT-OF-VIEW

The Press and the Presidential Campaign

By Hodding Carter III

Begin with an assumption. In our democratic system, perhaps the press's most valuable role is to provide the information necessary for citizens to make informed decisions about their government and its officials. Without such information, we are quite literally at the mercy of those who are supposed to be our servants.

Add a cliché, much beloved of political journalists of the past half century or so. The reporters' job is to write the first, rough draft of history.

With that as background, consider the broadcast echo chamber we endured in waiting rooms, airport gateways and our own homes over the interminable primary process. What kind of grade did the "first, rough" drafts you and I were served by those ubiquitous 24/7 cable news gong shows deserve?

Read the newspapers most Americans encounter in their home towns.

Listen to radio. Go online and sample that endless array of Web sites and blogs promising news, information and opinion. Watch network and local television. What can most of us learn about the world from the dietary array most readily available? How much of the new media can be trusted as something more than ideology and bile masquerading as informed commentary?

Now confront the question that haunts the press during and after every presidential campaign, none more so than this year's. How good a job have the media done in covering the shift-shaping, paradigm-shattering realities of election year 2008?

On the basis of a half-century's experience as a newspaper reporter and editor, television correspondent and commentator, government official and political activist, I am depressed by what I believe are the unpleasantly clear answers to all these questions.

On the one hand, the political process

has produced stunning results. Major "isms" — sexism, racism, ageism — have lost most of their wind. Bright, able candidates have confronted each other in both parties. Each party has eventually embraced a non-conventional candidate, the Democratic Party in particular deciding to throw out virtually all the shibboleths of over two centuries of American political history.

But the media haven't measured up to the moment.

Start with the big picture, then narrow the focus to the micro. At the very time that the world and nation are in the midst of fundamental transition and change, with long-deferred systemic problems coming home to roost, the mainstream media are relentlessly cutting back on the quantity and quality of news coverage and reporters. You can't actually do more with less in the news

... the babbling heads of talk media spend most of their time amplifying spin rather than deconstructing it.

business, no matter how hard some media executives try to pretend otherwise. When you gut resources, you shortchange the public.

Just as the political handlers continue to perfect their craft, trying to control the parameters of each campaign's narrative by ruthless manipulation of imagery and facts, the babbling heads of talk media spend most of their time amplifying spin rather then deconstructing it. As the veteran political reporter and columnist David Broder wrote two decades ago, the press's obligation is to break away from each campaign's thematic monologue and demand honest straight talk from the candidates about hard, specific issues. What we have instead, over and over, is obsessive concentration on pseudo-events, manufactured issues and artful demagoguery about teapot tempests. Many of the peacocks of the political commentariat seem to be without shame or selfawareness. Watch, read and listen long enough, and



Hodding Carter III

it becomes evident they have decided that glib mastery of insider political baseball is the main point of the presidential election.

There are noteworthy exceptions to the preceding indictment. But even the best are under pressure to revert to the mean, to dilute the product while amplifying the volume. It is a depressing time for those who care about good journalism, no less than for those who care about the nation's political health

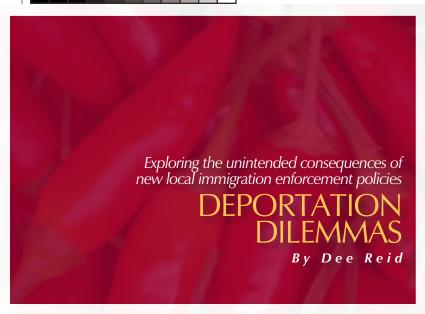
What is the best way for journalists to cover the presidential campaign? By covering the news at home and abroad with consistency, depth and integrity. By exploring and amplifying the important issues, refuting lies and demanding answers. By pulling back from the temptation to behave like self-

Viewed through the long lens of American history, this is a watershed political year. It deserves more, much more, from the press, but the prospects are not bright.

satisfied players in the political game.

— Hodding Carter is the University
Professor of Public Policy and Leadership
at UNC. He served as State Department
spokesperson for President Jimmy Carter
and went on to become a nationally
known television commentator and a chief
correspondent for "Frontline" on PBS. Before
coming to UNC in 2006, he served as
president and chief executive officer of the
John S. and James L. Knight Foundation.





A North Carolina

mother driving her children to visit their father in Maryland was pulled over late one summer night by a sheriff's deputy in Alamance County for displaying an improper registration tag.

A minor offense that might have resulted in a delay and fine for another driver held dire consequences for this family. The mother, an undocumented immigrant from Latin America, was passing through a county where deputies are embracing a new effort to enforce a deportation law that they say is designed to crack down on violent crime.

The sweeping impact of the law is the subject of a new UNC study involving faculty in the College of Arts and Sciences.

In the Alamance case, the woman's "crime" was crossing the U.S. border to feed her family and driving without a valid license, which, by state

law, illegal immigrants are not able to obtain. She was handcuffed, jailed and quickly slated for deportation, leaving her three children, ages 6, 10 and 14, to fend for themselves.

The authorities left the distraught siblings in a car along I-85 in the middle of the night, with an adult passenger they barely knew; he soon fled the scene because of his own immigration woes. The children, two of them legal U.S. citizens, huddled in the dark for hours until their father, an undocumented immigrant, could find someone to transport him there. Driving without a license could have ended with his deportation.

At press time, the two youngest children were with their father, and their older sister was with another relative. The fragmented family is more uncertain and fearful than ever of what their future holds.

This is just one of more than 5,300 North Carolina cases processed for deportation since 2006 — more than 50 per week — according to the U.S. Immigration and Customs Enforcement office (ICE).

The Alamance case illustrates the complex consequences associated with 287(g), the section of a 1996 federal law that authorizes local law enforcement agencies to check the immigration status of jail inmates and begin deportation proceedings for those who are in the country illegally.

The program is now being enforced in seven North Carolina counties: Alamance, Cumberland, Durham, Gaston, Henderson, Mecklenburg and Wake — making North Carolina the national leader in 287(g) deportation programs.

Cabarrus County has signed a memorandum of understanding to implement the program, and 15 other N.C. counties are considering it, including Alexander, Brunswick, Buncombe, Carteret, Columbus, Duplin, Guilford, Iredell, Lee, Lincoln, Pender, Randolph, Surry, Union and Yadkin.

The N.C. Sheriffs Association received \$750,000 in state funding last year and another \$1 million this year for training and support to spread the program across the state. Community advocates question the motivation of the Sheriffs Association, which refers to undocumented immigrants as "illegal alien invaders," claims Mexicans are responsible for most drug activity in North Carolina, and argues that the state should reduce the number of legal visas offered to

immigrants.

UNC scholars are exploring the social and economic costs, benefits and impacts of 287(g) in North Carolina to ensure that state and local officials have accurate information before the program is expanded. Their study is sponsored by the Institute for the Study of the Americas (ISA) in the College of Arts and Sciences and the Center for Global Initiatives (CGI).

The cost-benefit analysis is part of a larger university-wide student-faculty research circle on 287(g) issues that was started in the summer of 2007. Another product of this group is a legal report researched and compiled by the Immigration/Human Rights Policy Clinic under the direction of Deborah Weissman, the Reef C. Ivey II Distinguished Professor in the School of Law.

"We want to make sure that policymakers have all of the information they need before they implement this," said anthropologist Hannah Gill '99, assistant director of ISA and CGI, coordinator of the research circle and co-principal investigator of the 287(g) cost-benefit study, along with Mai Nguyen (see facing page).

Gill is author of Going to Carolina Del Norte, which highlights







Some immigrants are married to U.S. citizens and some or all of their children may be citizens as well. When the undocumented parent is deported, he or she may reluctantly leave behind children in the U.S. who are citizens, so that they can pursue better educational and work opportunities.

Scenes from Celaya, Mexico, where many Chapel Hill and Carrboro immigrants once lived, reprinted from Going to Carolina del Norte by Hannah Gill. ABOVE: Where migrants catch the bus to Chapel Hill, Burlington, Greensboro and other North Carolina destinos. LEFT: A young Tar Heel fan displays his connection to a faraway land where many of his former neighbors now live and work.

the stories of immigrants from Celaya, Mexico, who live in Carrboro, N.C. She teaches an international studies/ service learning course on Latin American migrant perspectives, in which students research and work with immigrants in North Carolina and spend spring break in the immigrants' communities back in Guanajuato, Mexico. Some of her students returned to Mexico with Nourish International, a UNC student-founded nonprofit organization, and helped raise \$40,000 to build a community center providing services and jobs.

College scholars involved in the 287(g) research circle, include:

• Mai Nguyen, co-principal investigator of the cost-benefit analysis and assistant professor in city and regional planning. She is an expert on local immigration ordinances in North Carolina and on community development and crime prevention among disadvantaged and immigrant populations. She wrote "Five Myths about Illegal Immigration in North Carolina," which debunks stereotypes about immigrants and

their impact on the state's economy.

Nguyen was born in South Vietnam and emigrated at age 2 in 1975 after the fall of Saigon. She and her family lived at first in a refugee camp in Arkansas. She was named a UNC Faculty Engaged Scholar because her work directly engages local communities. [See page 12 for a story on another Faculty Engaged Scholar.]

• Jacqueline Hagan, associate professor of sociology, and an expert on the impact of U.S. deportation policy on individuals and families on both sides of the border.

continued





Proponents
of 287(g) say
they never
intended
for children
to be left
vulnerable
by the
new policy.
But they
also say that
undocumented
immigrants
have only
themselves
to blame
for these
problems
because they
chose to cross
the porder
illegally.

She also has co-authored a study on the unintended human and economic consequences of tightening the southern U.S. border, including increased deaths among immigrants taking more dangerous detour routes to the U.S. Her newest book, *Migration Miracle* (Harvard University Press), looks at the role of religion in immigrants' decisions to migrate and in helping them cope with the arduous journey.

• Mary Donegan, a Ph.D. student in city and regional planning, is serving as research assistant, with funding from the Vice Chancellor for Engagement and the Vice Chancellor for Research.

Since April, the UNC group has held three public forums with county commissioners, law enforcement authorities, business executives, immigrant advocates, Hispanic community leaders and members of the general public. Researchers have been collecting and analyzing data on the immigrants arrested under 287(g) and expect to issue a full report in the fall.

North Carolina has one of

the fastest growing Hispanic populations in the United States (the top five states are all in the Southeast). More than 595,000 Hispanic immigrants lived in the state in 2006, a 58 percent increase over the previous six years, according to the Pew Hispanic Center. While 300,000 to 400,000 undocumented immigrants may live in N.C., according to the Pew Center, most of the recent increase in the Hispanic population is actually due to births, not border crossings, and those children are legal U.S. citizens.

Interest in 287(g) increased in the wake of Congressional failure to enact reforms that might have slowed illegal immigration and created a path to legal status for immigrants who are already living and working in this country.

The federal program got a foothold in North Carolina in 1999 when then Mecklenburg Sheriff Jim Pendergraph said he thought it would help decrease violent crime. However, UNC researchers' preliminary findings show no correlation between increased crime and immigration.

As North Carolina's Latino population grew between 1997 and 2006, the incidents of violent crime and property crime decreased statewide, according to researcher Nguyen.

Preliminary data in Alamance and Mecklenburg counties show that nearly one-third of immigrants processed for deportation were apprehended for misdemeanors or traffic violations, such as driving without a license, not violent crimes.

What's more, 287(g) itself may make communities less safe because it discourages immigrants from reporting crimes that they witness, and it may make it easier for others to commit crimes against immigrants, according to the UNC study.

The 287(g) study group aims to measure the local costs and benefits of the program.

"The perception is that it doesn't cost local law enforcement anything" because initial funds are provided by federal and state government, said Nguyen. But there are ongoing local costs for staff, equipment and maintenance, she said.



Regardless of

intent, 287(g) Hurts both legal and undocumented immigrants, as the story of the Alamance County highway arrest reveals.

Many undocumented immigrants living in North Carolina today have been in the U.S. for years. Their households can be a blend of legal and illegal immigrants, said Hagan, the UNC sociologist.

Some immigrants are married to U.S. citizens and some or all of their children may be citizens as well, she explained. When the undocumented parent is deported, he or she may reluctantly leave behind children in the U.S. who are citizens, so that they can pursue better educational and work opportunities.

Hagan found that families get fragmented as a result of longterm migration and that can be further complicated with deportation. Immigrants who stay in the U.S. for a long period form relationships here that may end when the immigrant is deported. Depending on how long the immigrant has been away from the homeland, he or she may have a difficult time getting adjusted back in Latin America, she said.

Another troubling impact is that when immigrants are deported, they can no longer send money back to their loved ones in the

homeland, Hagan said.
In Mexico alone, such remittances
totaled \$23.7 billion in 2006, representing
the country's second largest source of foreign

income, next to oil. The Bank of Mexico reports that remittances dropped 2.9 percent in the first quarter of this year.

Regardless of their legal status, children are emotionally and financially affected by deportation.

Proponents of 287(g) say they never intended for children to be left vulnerable by the new policy. But they also say that undocumented immigrants have only themselves to blame for these problems because they chose to cross the border illegally.

Gill says that many immigrants feel they have no choice. "They don't really want to come here. They do it out of necessity." •



MORE IMMIGRATION EXPERTS

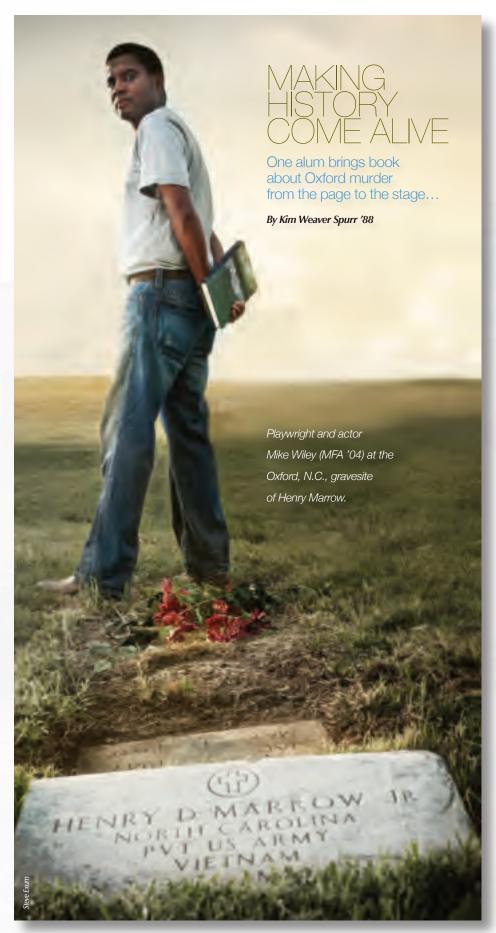
n addition to scholars involved in the 287(g) study project, many College faculty are researching other aspects of immigration. Here are a few highlights:

- ALTHA CRAVEY, associate professor of geography, has been involved in daily social activities of immigrants in the U.S. South for several years. She examines the impacts of globalization on migrants and their culture, and how immigrants creatively affect the process of political, economic and cultural interaction in the hemisphere. She is working on a documentary film about cultural celebrations of the Virgin of Guadalupe in Durham, N.C. She is also the author of Women and Work in Mexico's Maquiladoras.
- NICHOLA LOWE, assistant professor of city and regional planning, focuses on economic development policy and workforce development. She is studying the skill development process of immigrant laborers in the U.S. construction industry.
- MARGARITA MOONEY, assistant professor of sociology, has researched the adaptation of immigrants from Haiti and Latin America. She has a forthcoming book on Haitian immigrants and she also recently co-authored a study on the pathways to success taken by high-achieving Latino/a students at 27 elite public and private institutions of higher education.
- TED MOUW, associate professor of sociology, has been studying the economic and social impacts of globalization in Mexico and Indonesia. He is interested in social mobility and the impact of social networking among Hispanic immigrants in North Carolina.

- KRISTA PERREIRA, associate professor of public policy, has been studying the inter-relationships between family, health and social policy among low-income women, teens and children in the Hispanic immigrant population in North Carolina. She recently completed a study of the mental health of immigrant children and is conducting an ongoing study of the academic experiences of Latino/a youth in North Carolina.
- ROBERTO QUERCIA, professor of city and regional planning and director of the Center for Community Capital, is an expert on housing and banking. Researchers at the Center recently evaluated *Nuestro Barrio*, a Hispanic soap opera or *telenovela* aired on television in the Carolinas, which was designed to educate immigrants about finances and banking. The study concluded that the programs appealed to viewers and increased their awareness of financial issues.
- NINA MARTIN, assistant professor of urban geography, joined the College this summer as the first Jordan Family Fellow in International Studies. Born in Dublin and educated in London, Montreal and Chicago, she has a global perspective. She has been studying community responses to changing economic and social conditions in U.S. cities, including immigration and low-wage work in unsafe conditions.

The Jordan professorship was established to help the College recruit and retain outstanding junior faculty. The endowment is funded by a bequest from the late William Jordan '38 in honor of his mother, Louise Manning Huske Jordan, with support from nephew Stuart Jordan '85 and his wife Sheri. •





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ike Wiley was standing in the spotlight, portraying Abraham Lincoln in a sixth-grade school play in Roanoke, Va., when he first fell in love with acting.

"It had this effect that went right down to my toes. I loved it so much I probably beamed for two days after that," said Wiley, who received an MFA from the Professional Actor Training Program in UNC's department of dramatic art in 2004. "It just took off in my body and brain like wildfire." Over the years, Wiley has dabbled in advertising and editing, but acting has always called him back.

Acting isn't the only thing that consumes Wiley like wildfire. He has a passion, what some would call a life mission, to tell the forgotten stories of American history — particularly African-American history — to bring those stories out in the open, from the page to the stage.

Through his Apex, N.C.-based company, Mike Wiley Productions, he has taken those stories on the road — to schools, community theaters, churches and public libraries. Wiley's original one-man shows have brought to life Virginia slave Henry "Box" Brown, who mailed himself to freedom in a crate; baseball player Jackie Robinson, who broke the color barrier; and 14-year-old Emmett Till, who was murdered in Mississippi in 1955 for whistling at a white woman.

"Students have forgotten so much of their national history," Wiley said. "It's my job to reignite that desire to know this history, to know where they came from ... because I, too, have benefited from my ancestors."

Wiley's latest project, perhaps his most personal and ambitious to date, has strong North Carolina ties. He has written a oneman play based on author Tim Tyson's 2004 memoir, Blood Done Sign My Name, which examines the civil unrest that followed the brutal murder of Henry "Dickie" Marrow, a 23-year-old African-American veteran, by three white men in Oxford, N.C., in 1970. An all-white jury acquitted the men of the murder. The book was chosen as the Carolina Summer Reading Program book in 2005. Tyson is an adjunct professor of American studies at UNC and a senior scholar at the Center for Documentary Studies at Duke University. The son of Methodist minister



Vernon Tyson, Tim was 10 years old when Marrow was murdered.

Serena Ebhardt, another Carolina alum, will direct Wiley in "Blood Done Sign My Name," which will debut Nov. 6-9 at the Emma A. Sheafer Laboratory Theater in Duke's Bryan Center, then it will become a part of Wiley's touring repertoire. Ebhardt (dramatic art '88) and her husband David zum Brunnen (RTVMP '86) have their own production company, EbzB Productions.

"Mike could be very successful in commercial theater on Broadway or in filmwork in L.A., but those pieces would be cold to him because he would just be speaking words someone else wrote," said Ebhardt. "He performs with great passion, because it's not just rote. He's living an integrated mission — his work is his life mission."

Wiley has immersed himself fully in writing the stage production of "Blood." He has delved into Tim Tyson's audio recordings, interview transcripts, court records, newspaper clippings and notes about the book, all now part of UNC's Southern Historical Collection. He has tape-recorded interviews with Tim and Vernon Tyson, activist Eddie McCoy and other people in the book. Wiley also has traveled to Oxford to visit Marrow's grave and the site of the country store where he was murdered.

Ray Dooley, head of UNC's Professional Actor Training Program and one of Wiley's favorite Carolina professors, said he uses Wiley as an example to inspire students.

"Mike is an artist in the best sense, using his talent and training in service to others," Dooley said. "As Hamlet says, he 'hold(s) the mirror up to nature,' helping us to see ourselves both individually and as a society."

Wiley has many hopes and dreams for "Blood." But perhaps the greatest is for each audience member to think about his place in the world, to impact, as the late poet Thad Stem tells Tim Tyson, his own "little postage stamp of soil."

"I'd like each audience member to walk away and reflect on who they are, what they've done with their lives, how they've helped, how they've contributed ... and how they can make their little postage stamp of soil the best it can be."

A+S Fall 2008 FINAL.indd 13

...AND ANOTHER ALUM TAKES TIM TYSON'S MEMOIR TO THE BIG SCREEN

By Kim Weaver Spurr '88

friend sent Hollywood screenwriter and Carolina alum Jeb Stuart the book Blood Done Sign My Name when he was on vacation three years ago.

Author Tim Tyson's 2004 memoir examines the civil unrest that followed the brutal murder of Henry Marrow, a 23-year-old African-American veteran, by three white men in Oxford, N.C., in 1970.

Stuart (BA English '78, MA communication studies '82) grew up in Gastonia, N.C., and like Tyson, is also a minister's son. It's not the kind of movie that the blockbuster filmmaker, who brought "Die Hard," "The Fugitive" and "Another 48 Hours" to the screen, has typically been associated with in his professional life.

But a part of the book jumped out at Stuart, where Tyson speaks about "the two Souths." Stuart shared the book with his father, who acknowledged that he had been through some of the same struggles as Vernon Tyson, Tim's father.

"There was the South of Tim's childhood, which closely mirrored mine," Stuart said. "At the same time, there's the idea that a whole group of people grew up in the same geographical space, but with totally different feelings about the same symbols [like the Confederate flag,]"

And like Carolina alum Mike Wiley (MFA '04), who is adapting the book for the stage, Stuart also wanted to spotlight "some of the unsung heroes of the Civil Rights Movement," people like North Carolina activists Eddie McCoy, Ben Chavis and Golden Frinks.

"It was a rise of a very different type of civil rights in this country. Martin Luther King is dead, Malcolm X is dead, and the movement had stopped moving forward in places like Oxford," said Stuart, the film's writer and director. "But Ben Chavis and others were able to unite a very divergent black community."

Filming wrapped up on the independent movie in summer 2008 in and around Shelby and Gastonia, N.C. Stuart's wife, Mari, a Tony Award-winning theatrical producer, will produce the film, which is being edited in Los Angeles.

Stuart said it's tough to make an independent film, a little like "pushing water up hill."

"At the same time, it's such a powerful story, that it keeps you motivated," he said. "It definitely gives you a reason to wake up in the morning."

Stuart has been a loyal supporter of Carolina's Writing for the Screen and Stage Program. UNC student Jordan Harrell got a position through the University's Hollywood Interns Program, working on Stuart's film in post-production in L.A.

So what advice would Stuart give to students who want to make it in this business?

"The biggest thing I tell students is it doesn't take long to learn the format of screenwriting. It takes longer to have that life experience that will translate well into film," he said.

"Embrace life, take the most menial jobs, be constantly aware of the characters around you, and work at your craft." •

ONLINE EXTRAS

Read more about our conversation with Jeb Stuart, see Mike Wiley perform on YouTube, and read more about Wiley's work at http://college.unc.edu.

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By Kathleen Kearns





" hat can I twist to my purposes?" That may sound like a quote from some maniacal movie villain, but it's the benign mantra of UNC computer science professor Gary Bishop.

Engrossed earlier in his career with such things as 3-D computer graphics and six-dimensional tracking, Bishop spends much of his time these days contemplating how to adapt existing devices — preferably cheap, simple, easily available devices — to meet the needs of people with disabilities.

"Lots of assistive technology is very expensive," he explained. "I like to ask, what can you do with things you can buy at Amazon or Wal-Mart? What's on the Web, where you can distribute stuff for free?" Though his mind generates possible projects so quickly he uses part of his Web site to track them, Bishop said he wants "pull" — users with a particular problem to solve — before he really dives into one.

His latest project, the Tar Heel Reader Web site, lets children who might not be able to manage a keyboard or hold a book use switches to select and move through easy-to-read online storybooks that users create for them. The tales are told through text, images gleaned online and audio.

"It's a very simple idea," he said. "Kids with severe disabilities often don't talk and can't use their hands. So a kid will be 15 and hasn't had the exposure to books that a typical kid could have. When you can't talk and can't write, it's easy for people to assume you're profoundly retarded."

Created in May in collaboration with the Center for Literacy and Disability Studies, Tar Heel Reader is a classic example of Bishop doing something new by the simplest means possible: he set Tar Heel Reader up using the blogging software WordPress. In large part because it's so easy to use, the project was an immediate hit. Ten weeks after it was launched, users from several countries had created more than 400 titles in three languages.

"Teachers are going completely crazy with this thing," Bishop said. They have left online comments like, "This is too fun." And they're making books on all sorts of subjects for children of widely ranging ages and interests.

For Bishop, the project embodies his belief that he and his students should create software and structure that empowers noncomputer users to make content.

"I don't know what your student wants to read," he said. "So I have to get out of the way and make it possible for you to do it."

"Tar Heel Reader is a great example of democratizing innovation," said Paul Jones, director of ibiblio.org at UNC,





LEFT: Computer science
professor Gary Bishop
describes how an adaptive
learning tool works.
BELOW: Bishop is in
the first class of Faculty

Engaged Scholars.



which now hosts the project. "Gary saw a new use [for existing software] and found a community that would flock to that solution and contribute to it."

The element of collective creation clearly energizes Bishop. When a teacher wondered on the project's blog whether they could make a book, including the audio portion, in Spanish, he looked into it. "It turned out you could!" he said. He found inexpensive commercial software and got it working on the site. The teacher went on to create several Spanish-language books.

With Tar Heel Reader as with earlier projects, Bishop and his students often find solutions by modifying commercial products that already exist, and they make what they come up with available without cost. They also regularly work with the people their adaptations are intended to help to make sure their innovations actually do what their users want them to. Among other things, this approach has helped children with multiple disabilities use floor pads from the popular video game Dance Dance Revolution to control audio players or to play educational games like one Bishop and his team invented called Braille Twister.

Bishop came to this work about seven years ago, when a mid-life reassessment coincided with a chance encounter.

"I was coming up on about 50 and reflecting on my career," he said, as he thought about all the work he'd done
— "a bunch of patents, and papers, all the usual stuff. I wanted to do something more positive."

The chance encounter was with Jason Morris, then a graduate student in classics. Morris, who is visually impaired, needed better access to maps for his research, and Bishop got his undergraduate students working on the problem in collaboration with the Ancient World Mapping Center. The result evolved into the BATS (Blind Audio Tactile Mapping System) project, which lets users access maps through sound and touch. A student who worked on it told Bishop, "This is the first thing I've done in college that matters."

For Bishop himself, it was only the beginning. Through Morris, he met a teacher in the local schools who told him that when classmates worked on computers two or three times a week, blind children had nothing to do. That spurred a project called Hark the Sound, a set of sound-based games that let children identify such things as songs, food groups, even Wal-Mart categories. ("You need to know where to find the toothpaste in the store," Bishop pointed out.) The set-up isn't perfect — imagine an automated voice tackling the name Lynyrd Skynyrd, for instance — but it has been effective.

"Teachers tell me they have little guys they haven't been able to get to focus on anything who'll sit and play this game," Bishop reported with pleasure. As would later be the case with Tar Heel Reader, teachers took the model and created their own games. A teacher in India wrote him a letter in Braille to tell him how much her students had gotten out of it. And a father e-mailed him to say that because of a Hark the Sound game, his daughter is probably the only child in Britain who can name the capitals of all the American states.

Once a year the computer science department hosts Maze Day. Visually impaired students in grades K-12 and their parents and teachers visit the computer science department to test the latest games from Bishop and students.

Bishop is also among the first class of four Faculty Engaged Scholars, who are chosen by the Carolina Center for Public Service and the Office of the Vice Chancellor for Public Service and Engagement to conduct projects that connect faculty work with community needs. With the help of a Kauffinan Faculty Fellowship, he is looking for ways to sustain ongoing work developing assistive technology.

Naturally, he's got other ideas in the hopper.

Bishop is working on a way for people who can't use a keyboard to enter text into a Web browser. That way, they could send e-mail, do their taxes, chat with friends, watch videos on YouTube, write papers for school. "By making one application accessible to you, I'll have opened up this whole world of accessibility," he said.

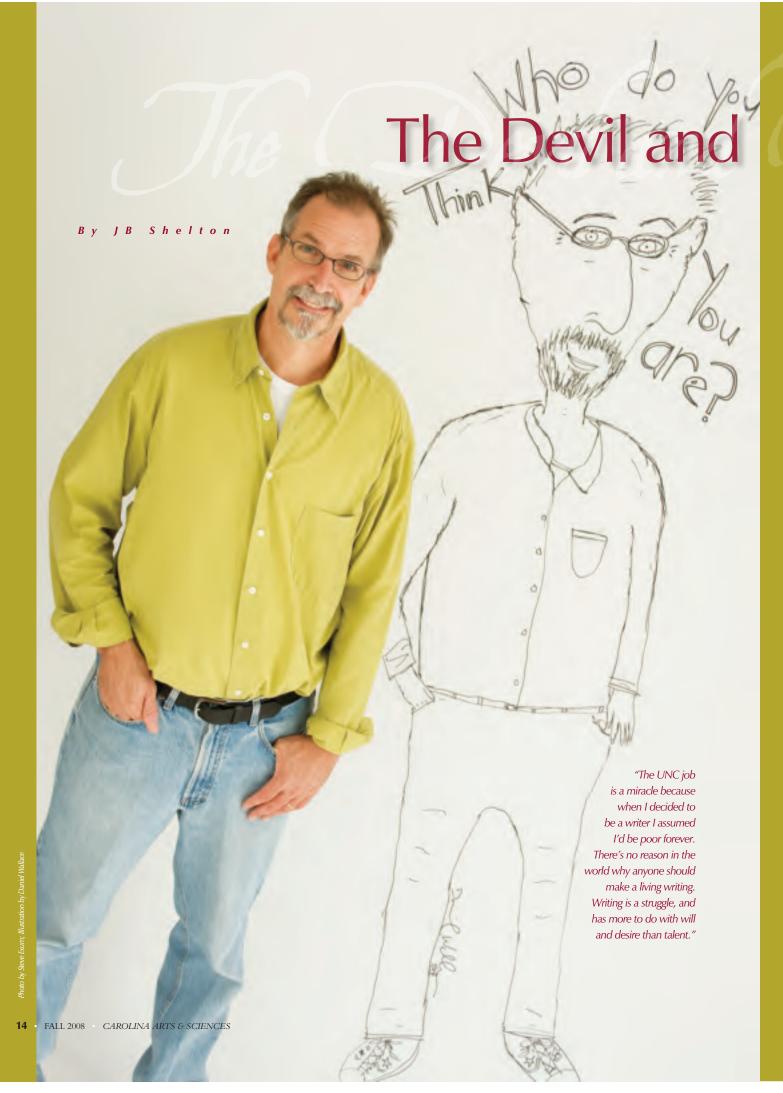
Bishop, who worked at Bell Labs and Sun Microsystems between graduate school at Carolina and his return in 1991 as a faculty member, jokes that he'd love to make money with his innovations but can't figure out how. The tag line on his Web site hints at a more likely motivation for his work.

It reads, "Geeks making the world a bit better." •

ONLINE EXTRAS

Try out Tar Heel Reader, and read more about Gary Bishop at http://college.unc.edu.





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Daniel Wallace

With his newest novel, Daniel Wallace entices readers into the eerie world of Jeremiah Musgrove's Chinese Circus in Mr. Sebastian and The Negro Magician.

Right off, J.J. the Barker introduces the magician of the title, Henry Walker, as "a man who has met the devil himself — the devil himself! — and come away with Lucifer's darkest secrets, secrets that were he to tell would melt your very soul. But he will show, not tell. And that is where the magic lies."

• Writing 101: Path and Flow

Wallace, who has taught creative writing in UNC's College of Arts and Sciences for six years, believes "writing is difficult and beautiful because every writer must find his own path."

"The UNC job is a miracle because when I decided to be a writer I assumed I'd be poor forever," Wallace added. "There's no reason in the world why anyone should make a living writing. Writing is a struggle, and has more to do with will and desire than talent." The struggle, however, is certainly mitigated by the rewards. "When I get in the flow, hours pass like minutes. I love that."

Wallace is self-disciplined in taking the advice he gives to students: Write every day. Let the words first come to mind, without formality or sentence structure. Do away with preconceived notions about what the story will turn out to be. Surrender yourself to 24-hour creative sprints.

He spends most mornings at his desk and keeps several projects going at once. Currently, he's working on another novel, a screenplay, more than one short story, and he occasionally writes a new entry on his blog at www.danielwallace.org. (Much to his interviewer's disappointment, he stubbornly refuses to reveal the secrets to the magic tricks posted on his Web site.)

• Writing 201: Get a Movie Deal

Before Wallace became the J. Ross Macdonald Professor of English and Creative Writing at UNC, he played a distinguished professor of economics in "Big Fish," the 2003 Tim Burton fantasy film about a father-son relationship, based on Wallace's first published novel. The role required Wallace to shave his beard and drastically trim his mustache; he may be the only UNC professor pursued by a hairstylist on a major motion picture set.

Nothing like a bestselling novel and blockbuster movie to prevent a midlife crisis. Wallace turns 50 in January 2009, grateful for his first permanent job and able to balance the writing career he values. He's come a long way from illustrating refrigerator magnets and shelving volumes at now defunct Franklin Street bookstores.

In his stories, Wallace tells tall tales from his characters' perspectives, recalling the past, contemplating today, imagining the future. He combines the literary stream-of-consciousness of James Joyce with the unique playfulness of characters having traits both human and phantasmagorical.

• Writing 301: Creating the Backstory

In May 2008, Wallace graduated with a BA in English from UNC-Chapel Hill, a mere 30 years after he began his studies — then promptly was appointed a distinguished professor on July 1.

In his early 20s, Wallace joined the family import/export business and worked in Japan for three years before he resigned or his dad fired him — an unresolved family mystery. In the early '80s, he moved back to North Carolina, financially braving the writing life, contemplating the eternal verities within range of the Old Well.

His signature baseball cap shades a Cheshire cat grin when he describes his wife Laura, the love of his life, whom he first encountered at Crooks Corner. He denies having a muse, but said, "When I'm writing about a beautiful woman, it's Laura."

Son Henry is 15, an avid reader of his dad's writings and believer in his dad's talents, but not necessarily in truths at family dinner talks. He is the sole teen who can most appropriately respond, "That sounds like a 'Big Fish' story to me."

• Writing 401: Love Being a Writer

Claire Williamson (journalism '08) twice played wordsmith in the creative writing laugh factory run by DW, the students' nickname for the cool, Conversewearing, lauded author/teacher. "We tried to be funny and insightful, with lofty hopes of becoming His Favorite, a prize we sought more than an A+," said Williamson.

"Wow, I'm taking a class from the guy who wrote *Big Fish*! Day one he made us write about the worst thing we've ever done — truth or lie. His creativity is unparalleled, his imagination contagious," recalled Williamson. "What stuck with me most was good storytellers must be good liars. DW's lie-telling comfort level makes him a fantastic author, although I'd love to know whether he actually crashed through a plate glass window to save his mother-in-law."

"I was taking myself and writing too seriously," she said. "He was the first person to tell me it's OK to write funny, insisting it was my strength. Lifting the seriousness burden made me love being a writer. He's funny — no, hilarious —critiquing and encouraging us, while being unflinchingly candid about his life and career."

• Writing 501: Epilogue

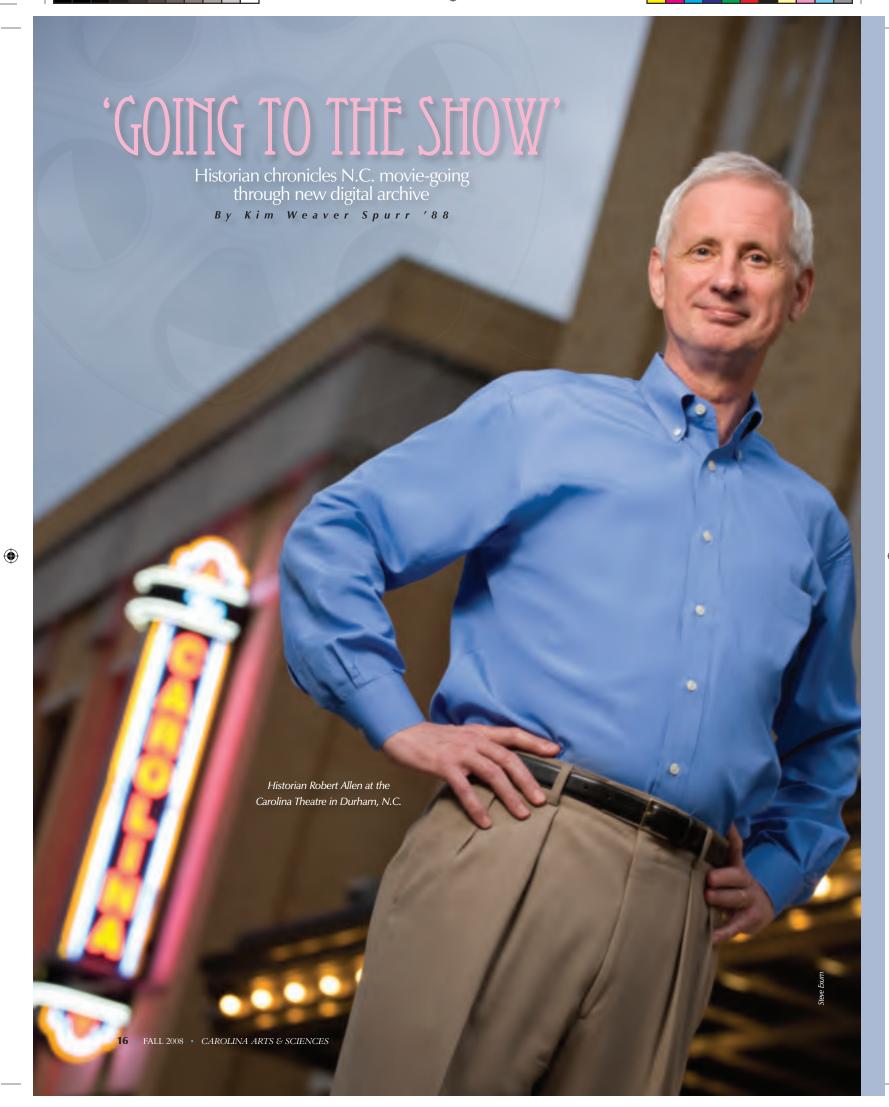
And like the perfect ending to a good story, Wallace is having a devil of a good time.

The J. Ross Macdonald Professorship honors an emeritus distinguished professor of physics. The professorship was funded via an estate gift in 1987 from Paul A. Johnston (B.A. '50, J.D. '52). The 39 Margaret and Paul A. Johnston Professorships honor retired faculty members in the College.

ONLINE EXTRAS

Listen to an NPR interview with Daniel Wallace at http://college.unc.edu.





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ith DVDs available through Netflix, Blockbuster and your local supermarket, watching movies these days often means staying home. Indeed, since 1991, Hollywood has been making more money from people buying movies than going to the theater, according to Robert Allen, UNC's James Logan Godfrey Professor in American studies, history and communication studies.

Today, "movies have become things that we own, hold and control," Allen said. But it wasn't always that way.

Going to the movies used to be a very social experience. In many towns, movie theaters were frequently the only places where commercial entertainment was presented on a regular basis. For many people, which movie they saw was not as important as the experience of going to the theater. Allen, who has been studying popular entertainment forms for more than 30 years, is documenting the Southern movie-going experience in the early 20th century — and he's using digital technology to study and publicly share what he's learning.

In a groundbreaking research project, Allen is collaborating with digital publishing experts and special collections archivists in UNC's Wilson Library to create an online, interactive digital collection of maps, photos, postcards, newspaper clippings, architectural drawings, city directory listings and historical commentary that will illuminate and reconstruct cultural and social life in the first three decades of the 20th century in North Carolina. It will be the first statewide database to document the experience of movie-going.

Allen was among only seven scholars out of 110 to be awarded inaugural Digital Humanities Fellowships from the National Endowment for the Humanities (NEH). The project was recognized as an NEH "We the People" project for promoting knowledge and understanding of American history and culture. It has also received grants from the U.S. Library Services and Technology Act, administered through the State Library of North Carolina, as well as support from UNC's Office of the Vice Chancellor for Research and the University Program in Cultural Studies.

The project, "Going to the Show," will also highlight the complex relationships

among race, space and movie culture by shining a spotlight on the African-American moviegoing experience. Racial "intermixing" in movie theaters was prevented by architectural and admission policies enforced by all-white theaters in North Carolina for more than 60 years. In some

communities, separate movie theaters were operated for African-Americans. "Going to the Show" will include the first statewide inventory of African-American movie theaters from the 1910s through the 1950s.

"We're looking very specifically at the ways in which race not only conditioned the experience of movie-going for all North Carolinians, but how race conditioned the experience of urban life," said Allen, who has been teaching at Carolina since 1979. "Race was a factor in people's lives and identities that was magnified enormously when they went downtown, because downtowns were the place where the maintenance of racial power was the most intensely emphasized."

"Going to the Show" will be part of Documenting the American South (DocSouth), a UNC digital archive begun in 1995 that provides free online access to texts, images and audio files related to southern history, literature and culture. Currently DocSouth includes 11 thematic collections of books, diaries, posters, artifacts, letters, oral history interviews and songs. DocSouth is a project of the Carolina Digital Library and Archives (CDLA), which is housed on the first floor of Wilson Library. The new "Going to the Show" collection, which will cover the period 1896 to 1930, is slated to debut in late 2008–early 2009.

Natasha Smith, head of DocSouth and CDLA digital publishing and the project director for "Going to the Show," envisions that the archive, which will include an inventory of more than 1,000 movie theaters, will attract new users to DocSouth.

"When I met with Bobby to talk about his vision, it really clicked. What appealed to me was the topic of movie-going," she said. "I also thought that we could use the framework and infrastructure of this project for other scholars' research and teaching."



screen in the surf at Lumina in Wrightsville Beach.

Allen turned to UNC Libraries' North Carolina Collection — the largest collection of published materials about a state in the country — and the Southern Historical Collection — the largest manuscript collection about the South — where he found a unique array of resources that initially had absolutely nothing to do with movies.

The North Carolina Collection has a comprehensive archive of N.C. Sanborn Fire Insurance Maps for the period 1896 to 1922. These large-scale color map sets, produced at about five-year intervals for more than 100 towns and cities in the state, represented every building in the central business districts, including dimensions, building materials and uses. The Sanborn maps also coded building use by race; movie theaters operated for African-Americans were noted as "colored" theaters.

"Urban historians know the Sanborn maps very well; they're a valuable tool," Allen said. "I went back to the first article that I had ever written on movie-going in New York City published in 1979, and it's the first place I cited a Sanborn Map as a reference."

Allen, who will also be writing a monograph on "Going to the Show," recalled how difficult it used to be to make the maps easily accessible to a broad audience.

"I remember having to go to a Library of Congress map storage facility in Alexandria, Va., and take 35 millimeter pictures of the maps standing on a chair," he said.

Through his work with digital librarians and graduate students in UNC's School of Information and Library Science (SILS), Allen and a project team will make many of the Sanborn maps accessible online.

They are digitizing some 750 Sanborn maps for 45 towns and cities in North Carolina. The multiple map pages for each

continued



city are being digitally "stitched" together, forming a composite image of a town at a particular moment in its history. The maps will then be "geo-referenced," so that users may overlay a Sanborn map via Google Earth onto an up-to-date satellite image for contemporary views of a particular city or town. Users can toggle back and forth between an old Sanborn map and a current view of a city.

"Digitizing and geo-referencing of these maps gives a prismatic quality to the project: The spatial data we're using for our movie-going project can also make visible other aspects of social, cultural and economic history," Allen said.

Kevin Eckhardt, a research assistant on the project, is a second-year graduate student in SILS who developed the digital map-stitching technique.

"We have had to look at all the puzzle pieces and put things together. This sometimes includes having to identify and locate streets that have disappeared or whose names have changed," Eckhardt said.

Because Wilmington was the largest city in North Carolina at the time, and also featured the first movie theater — the Bijou, which opened in 1906 — the project will focus on the city as a case study. Allen found a treasure trove of materials, five boxes of newspaper clippings on movie theaters, which are part of the Bill Reaves Collection of the New Hanover County Public Library. He's been combing through the boxes, and finding clippings to use in the archive, like an advertisement for The Odeon, the second movie theater to open in Wilmington four months after the Bijou. The Odeon boasted: "New White Moving Picture Theater Now Open."

Beverly Tetterton, special collections librarian at the New Hanover County Public Library, first introduced Allen to the Bill Reaves collection.

"Bill was a local historian who worked for the *Wilmington Morning Star*, and they were getting rid of their bound newspapers, back to 1867," she said. "Bill was instructed to take them to the dump, so he had them taken to his house on Third Street, where he clipped newspapers for more than 25 years. Upon Bill's passing, he gave the entire collection to the library."

Allen also used the North Carolina

Collection's massive archive of city directories to compile historical information for the project. The unique database of movie exhibition sites was initially compiled two years ago from information about theater names, addresses, ownership, management and racial orientation contained in hundreds of city directories

published between 1896 and 1930. In the last year, the UNC Libraries' Digital Production Center has acquired a new machine called the Scribe that can digitize hundreds of book pages per hour. City directories for N.C. towns and cities were selected to be among the first volumes to be digitized, and "Going to the Show" will benefit from this new electronic resource.

Frank O'Hale first used the North Carolina Collection in the fall of 2007 as a student in Allen's First Year Seminar on family history and social change in America. In the summer, he combed through 8,000 postcards in the North Carolina Collection for photos showing early 20th century movie theaters and the streets on which they were located. Two more of Allen's students searched through newspapers from the early 20th century for articles and ads about early movie theaters. There's a postcard, for instance, of Lumina, an outdoor pavilion in Wrightsville Beach, N.C., which showed motion pictures in the ocean — via a large outdoor movie screen erected in the surf. The photos will also be geo-referenced and linked to the Sanborn map pages.

In some respects the project is forging its own path in the frontier of digital humanities. Sanborn maps have been employed in other historical projects, but "Going to the Show" is among the first projects to present geo-referenced Sanborn maps online, and it is developing one of the most innovative representations of historic maps in North Carolina. No other project has brought together photographs, newspapers, city directories, Sanborn

maps and other sources to document the way movie-going became one of the most important social practices of the early 20th century. Allen and the digital project team are still designing the look of the final digital collection. They want to try to build in a "tell us your story" link on each page so that users can add their own recollections of movie-going.

The team is also working on ways to reflect the fact that, particularly in the time period

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covered by the project, movie-going often included music and other forms of live entertainment as well. And as the largest secular meeting place in many small towns, movie theaters often hosted high school graduations, local beauty pageants, religious services, talent shows and other events.

In partnership with UNC's School of Education, Allen and the project team will also develop learning materials for North Carolina K-12 classrooms. Lessons will provide teachers and students with a better understanding of the social climate of the South during this era.

Allen said that his first foray into digital research and publication has been one of the most gratifying and exciting experiences of his career.

"When a book is published, it's finished, but when you produce a Web site, it's the beginning of an open-ended exchange with tens of thousands of people around the world," he said. "Academic books have a fairly limited reach. I don't go to too many airport bookstores and see my books."

"This project will be used by the 87-year-old woman in Benson, N.C., who remembers going to the movie theater there and by a scholar who's been researching movie-going in Beijing, China, for 30 years."

Online extras

Read more about Allen's own moviegoing experience, and hear him discuss the project. More on the Bijou Theater and DocSouth — all at http://college.unc.edu.

PROFILE

Southern Culture Calling

John Hubbell helps to shape new museums honoring B.B. King and Earl Scruggs

By Pamela Babcock

Trowing up in the San Francisco Bay area in the early 1980s, John Hubbell and his best friend, Craig Brewer, a filmmaker today best known as director of "Hustle & Flow," listened to all kinds of music — from Muddy Waters to Prince.

"We were into everything," Hubbell recalled.

Unlike other kids, Hubbell couldn't just listen to ZZ Top. When he found out the trio hailed from Texas, he openly wondered: What's informing these guys and how did this oddity manifest? Likewise, he didn't have to dig far to learn that Waters and so many great Southern bluesmen had influenced The Rolling Stones.

"It was that classic inquisitive kidin-the record store thing," Hubbell said. "Craig and I both heard [Water's] 'Mannish Boy' and were marveled by it. As aspiring writers, I think we both knew we were tapping the root as we listened."

These days, Hubbell is continuing to tap the root and his abiding interest in Southern culture. After a decade-long career as a newspaper journalist, Hubbell got an M.A. in folklore in 2007 from Carolina and today runs Old Bridge Media, a Memphis, Tenn., writing, editing and production firm.

Hubbell is a consultant to the new B.B. King Museum and Delta Interpretive Center in Indianola, Miss. He helped write and shape the text visitors will read as well as interactive exhibits, documentaries, education programs and Web-based material. Closer to Carolina, Hubbell is working with UNC's Center for the Study of the American South on the planned Earl Scruggs Center in Shelby, N.C.

"John really is a unique person because



ABOVE: John Hubbell (left) chats with blues legend B.B. King. LEFT: John Hubbell at a saloon in Memphis favored by musicians.

he is a very gifted writer, and he's also very knowledgeable about the American South and its cultural traditions," said Bill Ferris, senior associate director of the Center, the Joel R. Williamson Eminent Professor of History and Hubbell's thesis adviser. Those traits make Hubbell an ideal resource for both projects, he added.

"He is able to capture the spirit of both those types of music — blues and bluegrass — in ways that are accessible to the American public."

Growing up in Vallejo, Calif., Hubbell always knew he'd be a journalist and said "writing was always my passport."

Armed with a journalism degree from California Polytechnic State University in 1996, Hubbell moved to Memphis to work as a reporter and later was managing editor for The Commercial Dispatch in Columbus, Miss

After a brief stint at Microsoft, Hubbell landed at The Associated Press in 1998, most recently as editor on the national desk in New York. In 2000, Hubbell began a five-year stint at the San Francisco Chronicle, where he covered Gov. Arnold Schwarzenegger.

Hubbell learned pretty quickly that he didn't want to spend his life covering politics. And that's when Carolina beckoned.

"Being in the folklore program really helped me see how I could take my career in a new direction," said Hubbell, whose coursework emphasized Southern music and regional vernacular traditions.

As a consultant on the King Museum,

Hubbell conducted interviews for documentaries, went on film shoots and met King twice. The museum focuses on King's life and stories of the Delta, including its history and music, social mores and race relations, and literature and legends.

"He's very funny and has an amazing love for people that really shines through in a way that I don't know many people have, let alone celebrities of that stature," Hubbell said of King.

"We try, whenever possible, to tell the story from B.B.'s voice or the voices in the community," he added. "That's what folklore is about — everyday people and their stories."

Hubbell's business is based in his home, an old bungalow in mid-town Memphis. His office walls are lined with quotes from people he's interviewed over the years.

In addition to being a New York Times contributor, Hubbell is also working on Patch My Heart, a book about John Gary Williams, the lead singer of the defunct soul group "The Mad Lads."

"The important thing about doing this work is that you are the conduit and you enable stories to be told," Hubbell said. "It's about shining light where it needs to shine — and helping people appreciate the reality and the wholeness of people." •

ONLINE EXTRAS

Read more about John Hubbell and the B.B. King and Earl Scruggs Museums at http://college.unc.edu.

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HIGHLIGHTS

Living Writers Creative writing students to study with visiting authors thanks to major gift

"With today's rapid

scientific discovery,

our literary capacity

has to maintain its pace.

It is my hope that this

gift will help secure this

important mission

for Carolina."

By Scott Ragland '87

A major gift to the College of Arts and Sciences will enable creative writing students to study with some of the nation's most notable writers.

The gift from Sallie Shuping-Russell of Chapel Hill will fund an innovative new course featuring the work of active writers who will hold a distinguished visiting professorship within the Creative Writing Program. The program is part of the department of English and comparative literature.

The \$666,000 gift qualifies for a \$334,000 grant from

the North Carolina
Distinguished Professors
Endowment Trust,
bringing its total value
to \$1 million. The state
fund, established in 1985
by the N.C. General
Assembly, provides
matching grants to recruit
and retain outstanding
faculty.

The gift will create the Sallie Shuping-Russell Distinguished Visiting Professorship. Starting in the fall of 2009, five to six

outstanding writers will come to campus to participate in the regularly scheduled course, "Living Writers," which will honor her mother, Margaret R. Shuping, who graduated from UNC in 1944 with a degree in journalism. The visiting professors also will give public readings for the University community.

"My career has been spent financing new technologies," Shuping-Russell said. "However, as science rolls forward, I want to make sure we don't lose sight of the human experience of dealing with life in these times. That is what literature does best. With this professorship, I hope to inspire the next generation of writers to embrace that purpose."

Shuping-Russell, managing director at the investment firm BlackRock in New York City, is a member of the UNC Board of Trustees, the UNC Foundation Investment Fund Co. Board of Directors and a former member of the Board of Directors of UNC Health Care. She earned a bachelor's degree in English and political science at Carolina in 1977 and holds a master's in business administration from

Columbia University.

The gift was made on July 1, 2008, the first day of the new administration of Chancellor Holden Thorp, former dean of the College of Arts and Sciences.

"This gift gets my job as chancellor off to a great start, and I'll always feel a special gratitude to Sallie," said Thorp. "The rigorous program and intimate engagement with faculty in creative writing embody the commitments to originality and

undergraduate experience that define Carolina. Sallie's gift shows not only her extraordinary generosity, but also her understanding of our deepest values."

The "Living Writers" course will be the Creative Writing Program's first and only semester-length class arranged entirely around a series of visiting writers and their works, making it "a model for the study and practice of contemporary literature," said Michael McFee, director and professor of creative writing at Carolina.

"This kind of close contact with authors, especially when students are



ABOVE: Sallie Shuping-Russell

familiar with their work, gives young writers the chance to have extended conversations with those practicing the art and craft to which they aspire," McFee said.

The course also will further UNC's overall mission to give students a liberal arts education, Shuping-Russell said.

"The Creative Writing Program at Carolina is unique in its focus within undergraduate studies," she said. "It allows the University to be a leader in interpreting the human condition as other parts of the institution unfold the genetic structure of our being."

"With today's rapid scientific discovery, our literary capacity has to maintain its pace. It is my hope that this gift will help secure this important mission for Carolina."

Shuping-Russell's gift builds on several other privately funded programs in creative writing at Carolina. These include the Thomas Wolfe Scholarship, the Blanche Britt Armfield Poetry Series, the Morgan Writer-in-Residence Program, the Doris Betts Distinguished Professorship and other resources that have enabled the Creative Writing Program to bring a wide range of writers to campus to interact with undergraduate students and the community.

"We in creative writing are extraordinarily grateful to Sallie Shuping-Russell," McFee said. "This is a terrific opportunity for us and for Carolina."

HIGHLIGHTS

Seeing Double

New gifts enable Honors to invite twice as many first-year students to program

By Del Helton

Pizza will never look the same to students in the Honors course they call "Eats 101."

For Catherine Williams, it was the best class she took at Carolina.

"It was a great example of what an Honors course ought to do. It brought together so many academic disciplines — health and nutrition, archaeology and environmental history, anthropology and economics — that it was truly impossible not to engage with some part of the syllabus," said Williams, of Matthews, N.C., who graduated Phi Beta Kappa in May 2008

Now, twice as many first-year students, or 10 percent of each entering class, will have the chance to take similarly engaging courses, and join one of the nation's top Honors programs.

Four major gifts in the past year totaling \$21.5 million — including state matches from the Distinguished Professors Endowment Trust — will enable the Honors Program in the College of Arts and Sciences to invite nearly 400 students in the Class of 2012 to participate. The gifts fund faculty positions in high-priority areas of the College to teach Honors courses. They also will increase the University's yield of high-ability students, many of whom are attracted to Carolina because of the Honors Program.

In July, the Hyde Family Foundations, with support from Pitt '65 and Barbara '83 Hyde, made a \$2 million capstone gift to complete the goal of doubling first-year invitations to the Honors Program. Two months earlier, the William R. Kenan Jr. Charitable Trust made a \$6 million gift to create six \$1.5 million endowments, including \$500,000 in state matches for each, to support a minimum of six assistant or associate professors who will be designated as William R. Kenan Jr.

Fellows or William R. Kenan Jr. Scholars. The Morehead-Cain Foundation in December 2007 created the Mary H. Cain Distinguished Professorship in

Art History, resulting in a \$2 million endowment, including state match, that will add four Honors courses in art history. In September 2007, an anonymous donor gave \$5 million to fund five new professorships named for alumni Peter T. Grauer and William B. Harrison.

For the Kenan Trust, the gift served to recognize past and present chancellors.

"This gift reflects the desire of the Kenan Trust to pay tribute to Chancellor Moeser for the leadership he has provided to Carolina over the past eight years, and to his desire to double the number of participants in the Honors Program," said Richard M. Krasno, executive director of the Kenan Trust. "We also want to signal our confidence in Chancellor Thorp, who has been a tremendous champion for the Honors Program as dean of the College of Arts and Sciences. These are two great leaders for the University, and we are proud that this gift honors them both."

The Hyde Family Foundations' gift creates two \$1.5 million endowments, each augmented by the state match of \$500,000, and will support a minimum of two assistant or associate professors in the College.

"In response to Chancellor Moeser's challenge to trustees to help him complete the goal of doubling the Honors Program, and in honor of Chancellor [Holden] Thorp, we are thrilled to support the expansion of the Honors Program and follow the leadership of the Kenan Trust," said Barbara Hyde, president of the J.R.



ABOVE: New gifts will enable twice as many first-year students to join Honors.

Hyde Family Foundation of Memphis, Tenn. Hyde serves on the University's Board of Trustees. "We believe the gift to Honors is a great complement to our support of faculty through the Institute for the Arts and Humanities. As Chancellor Thorp recently said, 'Carolina is the best place to teach, discover and learn.' We hope this gift helps faculty and students do all three'

Joshua Knobe, assistant professor of philosophy, recalled at least two inspired students from his Honors classes. One student was so enthused about a class discussion on the concept of eudaimonia (state of happiness and well-being), that he wrote a rock song about it.

"Another student in my Honors class became so intrigued with the subject of moral cognition, or how people make judgments, that he developed his own hypothesis, then applied to work as a researcher. It was a pretty advanced topic for a first-year student."

Knobe said he can often let Honors students guide discussions, a practice that worked well for Williams and her classmates in the social sciences Honors course.

"Dr. [Jim] Ferguson taught us to take notice of the rich informational environment we live in by sending us news stories and anecdotes that related to our studies," said Williams. "The 14 of us in the class really became a family, and all of us felt comfortable to explore the subject in our own way, something that no other class has done for me."

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HIGHLIGHTS

Triple Impact for Political Science \$1 million gift supports graduate fellowships, research and travel awards

By Kim Weaver Spurr '88

Tom Uhlman has founded companies, managed a presidential commission, led a major effort at the U.S. Department of Education and been a university professor.

He credits his time at Carolina, where he earned double degrees in political science (a master's in 1971 and a doctorate in 1975) with helping him to meet all the different challenges in his career.

"Carolina was really where I came of age intellectually. It was a very challenging environment, but at the same time

supportive, which was great," said Uhlman of Madison, N.J., who is a founder and

"There is a marketplace out there for the best talent in graduate schools, and the best students have the most choices. Every department would like to attract the strongest entering class of students."

— Tom Uhlman

managing partner of New Venture Partners LLC. "My education was a wonderful platform for me in my career, which has led off in a number of different directions. I always felt well-prepared. [At UNC], I got a set of general tools and skills to think about problems, to work with complex issues and to be confident I could ask questions and come up with the right course of action."

Uhlman, who also has a master's in business from Stanford University, has held corporate, government and academic positions. Prior to starting New Venture Partners, an early stage technology-focused venture capital firm, he served as president of Lucent Technologies' New Ventures Group from 1997–2001. Uhlman and his colleagues have created more than 50 new technology businesses since 1997.

In 1983-84, Uhlman managed the President's Commission on Industrial Competitiveness on behalf of the CEO of Hewlett-Packard. In 1981-82, he was director of productivity improvement at the U.S. Department of Education. And he spent time as an assistant and associate

professor of political science at the University of Missouri-St. Louis.

When he was a graduate student in political science at UNC, Uhlman's studies were supported by a National Science Foundation fellowship. Now as a board member of the Arts and Sciences Foundation, Uhlman understands the importance of financial support for graduate students. Fellowships and other forms of support are often the determining factor in a graduate student's decision to

study at Carolina.

"There is a marketplace out there for the best

talent in graduate schools, and the best students have the most choices," Uhlman said. "Every department would like to attract the strongest entering class of students."

Uhlman has pledged \$1 million to the College of Arts and Sciences to support graduate students in political science through The Thomas M. Uhlman Graduate Fund in Political Science. The endowed fund will have a wide-ranging impact by supporting "three legs of the stool": graduate fellowships, summer research fellowships and travel awards. Recipients will be selected through a competitive process, with a minimum of 15 awards given each year beginning in 2009-2010.

Uhlman said it was important to him not only to support fellowships, but also summer research and opportunities for students to travel to present their research at conferences.

"As a graduate student, I don't think I ever traveled to a professional meeting to present my research, so I'm trying to create



ABOVE: Tom Uhlman

a menu of opportunities that the department and the director of graduate studies can select from to award to students," he said.

"Graduate students are an indispensable part of an excellent department. They inspire and help faculty in their research, and at UNC they play an integral role in the education of undergraduates," said Evelyne Huber, chair of the political science department. "The impact of Tom Uhlman's gift will be both broad and deep, reaching roughly a quarter of our graduate students each year, or the overwhelming majority of our graduate students at some point during their course of study."

The political science department will also host an Uhlman Symposium each academic year, where recipients of the three types of Uhlman awards will present their research.

"The symposium is an intellectual, social and team-building exercise that will enable the students to get in front of their peers and explain their work," Uhlman said.

Uhlman said his support of graduate students in political science is a "way of giving back to the institution that has meant so much to me."

"Many times people have asked me, 'How did it work out going from political science to venture capital to heading a presidential commission?' A lot of it I attribute to the intellectual rigor and problem-solving I experienced at UNC."

HIGHLIGHTS

One Pilot's Legacy Parker estate creates three \$2 million professorships

By Chrys Bullard '76

In the 1940s, it was the newest, biggest, most technologically advanced bomber ever commissioned by the U.S. Army Air Force—the B-29 Superfortress. Many men were afraid to fly it: Pilots oohed and aahed at its size, but shied away from the cockpit of a plane notorious for engine fires.

In what became aviation history, then-Colonel Paul Tibbets — eventual captain of the B-29 Enola Gay — trained two Women's Airforce Service Pilots to fly demonstration tours on the Superfortress. One-by-one, senior pilots signed on while a young flyboy from eastern North Carolina eagerly waited his turn — John Randolph "J.R." Parker.

From the marshes of New Bern by way of Carolina's Class of '38 and West Point, J.R. Parker left the Army Air Force without deployment on the B-29, but the training stuck. He joined multi-national Fluor Corporation as a mechanical engineer for oil rigs, putting to use his pilot training and an education in math, physics and engineering earned at Carolina. Though Parker left the University before graduation, his love for the school stayed with him throughout a life lived in the

far corners of the world.

"He was so dedicated to Carolina that sometimes I thought it was an obsession with him," said Ed Duer of Oriental, N.C., a long-time friend and executor of J.R. and Louise Parker's estate — an estate that recently created the John R. and Louise S. Parker Distinguished Professorships in physics, mathematics and computer science in the College of Arts and Sciences. Each professorship was funded with a gift of about \$1,333,000, and will be matched with \$667,000 in grants from the state's Distinguished Professors Endowment Trust Fund, creating a \$2 million endowment

for each of the three professorships.

Bruce Carney, interim dean of the College and Samuel Baron Professor of Astronomy, expressed deep gratitude for the

Parkers' gift on behalf of his colleagues.

"These new professorships come at a most opportune time," Carney said. "The combination of the Parker professorships and the world-class facilities within our new science complex will help us attract the very best faculty. We have already been fortunate to attract our first Parker professor, John F. Wilkerson, former professor of physics and associate vice provost for research at the University of Washington. He will lead a new, large research effort at the interface of neutrino physics and cosmology."

With the passion of a true-blue Tar Heel, the discipline of a pilot and the focus of an engineer, J.R. Parker, and his wife Louise, gave to two Carolina institutions throughout their lifetimes: the University Library and the College of Arts and Sciences.

With the passion of a true-blue Tar Heel, the discipline of a pilot and the focus of an engineer, J.R. Parker, and his wife Louise, gave to two Carolina institutions throughout their lifetimes: the University Library and the College of Arts and Sciences. On the advice of their financial adviser and working with Michele Fletcher, director of development for the University Library, and June Steel, former director of planned and regional gifts in the Office of University Development (now associate vice chancellor of advancement services), the Parkers transferred Fluor Corporation stock to Carolina's pooled



ABOVE: The late Louise (left) and J.R. Parker

income fund, received quarterly income for life and avoided capital gains taxes. Another outright gift of Fluor stock created the professorships fund. During the Parkers' lifetimes, income from the fund benefited the University Library, but after their deaths — J.R. in 2002 and Louise in 2007 — the gift reverted to the College of Arts and Sciences along with the bulk of their estate.

"[J.R.] loved the University, and he loved mathematics, physics and engineering," said Duer, who with his wife, Lee, took care of the Parkers during their final illnesses. "He tutored math students at

> Carolina to help pay his college expenses, and I'm sure that's why he chose to make the gifts he did."

Duer describes J.R. as, "a magnificent person — very principled, with a marvelous sense of humor." After he

and Louise retired to Oriental, J.R. put his engineering skills and sense of humor to work building complex but humane squirrel traps. "When he caught one," Duer said, "he'd paint its tail red, carry it miles from his house and turn it loose."

During their long friendship, Duer grew to understand the Parkers' special affection for Carolina. He met Fletcher, Steel and later Associate Director of Gift Planning Candace Clark.

"The care [the Parkers] received from everyone, their exceptional interest in J.R. and Louise ... There's a feeling of family at UNC. A closely knit family."





Jewish studies professorship named for Eizenstat

A \$1.5 million distinguished professorship in Jewish studies will be named in honor of alumnus Stuart E. Eizenstat, who served as the lead negotiator for Holocaust reparation agreements and deputy secretary of the treasury during the Clinton administration.

The Ambassador Stuart E. Eizenstat Distinguished Professorship in Jewish History and Culture will be in the Carolina Center for Jewish Studies in the College. David M. Rubenstein, co-founder and managing director of The Carlyle Group in Washington, D.C., has pledged \$500,000 to help establish the professorship.

In addition to the Rubenstein gift, the professorship is being funded by additional contributions totaling more than \$500,000 from private donors, and it will be eligible for \$500,000 in matching funds from the N.C. Distinguished Professors Endowment Trust Fund.

Eizenstat helped acquire more than \$8 billion in compensation from European companies for victims of the Holocaust and Nazi era.

Rubenstein was deputy assistant to the president for domestic policy during the Carter administration, when Eizenstat served as chief domestic policy adviser and executive director of the White House domestic policy staff.

Eizenstat graduated from UNC in 1964 Phi Beta Kappa and *cum laude* with a degree in political science. He also received an honorary degree from the University and was the commencement speaker in 2000. He is currently a partner at the Washington, D.C., law firm, Covington and Burling LLP.

DUKE, UNC JOIN FORCES IN GERMAN

German doctoral students on campus may soon be wearing both Duke and Carolina blue.

UNC and Duke University will combine their German doctoral program, beginning in fall 2009.

The unique program, conceived and proposed by faculty, will be called the Carolina-Duke Graduate Program in German Studies. Doctoral students will apply to a single program, take courses at both UNC and Duke, and their degrees will come from both universities.

The new merged graduate program will draw on one of the largest German studies faculty in the country and the considerable intellectual, educational and cultural resources

of both institutions — amid national reports that some German language programs around the country are shutting down.

The 16 core German studies faculty will represent all branches of research in the field. Admission will be competitive and is limited to about seven students per year.

"The new joint program will do more than combine the forces of two excellent departments," said Clayton Koelb, chair of the German Languages department. "It will create a new enterprise able to offer students resources and opportunities that neither institution alone could provide."

Undergraduate German programs at the two schools will continue to remain separate. •

EXAMINING DIVERSITY, CONFORMITY IN MUSLIM SOCIETIES

A historian and a geographer are teaming up to study diversity and conformity in Muslim societies through a grant from the Andrew W. Mellon Foundation.

There are substantial variations among Muslims, their politics and even their religious practices, say Sarah Shields, an associate professor of history,

> and Banu Gökariksel, an assistant professor of geography. Often, however, scholars and policymakers portray a uniform "Islam."

Through a \$150,000 Mellon grant, the UNC researchers will develop an interdisciplinary

"Sawyer Seminar" series in 2009-2010 that will explore the tensions between diversity and conformity, between tolerance and orthodoxy, in Muslim societies. The seminars will include faculty and students from all of the Triangle universities and other N.C. schools, drawing from scholars who study history, politics, music, art, architecture, religion and law. Shields and Gökariksel hope that this broad, inclusive approach will result in a richer, multi-dimensional understanding of Muslim societies.

The grant will also support a post-doctoral researcher to spend a year at UNC, and it will fund two graduate students' doctoral research for the year. It will provide funding to bring outside scholars to participate in workshops during the seminar year.



HIGHLIGHTS



Located about 600 miles off the coast of mainland Ecuador, the Galapagos Islands are a living laboratory for studying evolution, global environmental change, and the conflicts between nature and society.

There's good reason why the Galapagos are often called the "Enchanted

Islands." The volcanic islands are world renowned for their scientific importance, as exemplified by the giant tortoises, marine iguanas and Darwin finches whose existence vividly illustrate the mechanisms of evolution.

UNC geographer Stephen Walsh has conducted research on the islands for the past few years, along with his former Ph.D. student, Carlos Mena, who's now on the faculty of the

University of San Francisco Quito (USFQ), a private university in Ecuador. They collaborate with doctoral students and faculty at UNC, USFQ and in the Galapagos Islands.

Walsh and a UNC delegation traveled to the Galapagos Islands in February to discuss further opportunities for collaboration with USFQ, the Galapagos National Park and the Charles Darwin Research Station. Carolina faculty and administrators visited Isabela Island, where invasive species of plants and animals are displacing native and endemic flora and fauna, and increasing tourism and immigration have begun to threaten this vulnerable ecosystem. Scientists are hoping new research can help preserve the islands' fragile ecosystems and mediate the conflicts between resource conservation and economic development.

"The opportunity exists for UNC to lead an interdisciplinary initiative that will emphasize research, education and outreach programs to address issues compelling to science and society," said Walsh. "Carolina can make an important and lasting impact on the Galapagos archipelago, the region and the world."

GENETICS PLUS SOCIAL FACTORS LINKED TO TEEN VIOLENCE

Sociologists exploring the link between adolescent delinquency and genetics have identified three genes that appear to play a role in whether a child becomes involved in serious and violent crime.

What's more, the impact those genes have appears to be triggered or suppressed by social influences such as family, friends and school.

Research led by UNC sociologist Guang Guo, one of the first to link molecular genetic variants to adolescent delinquency, sheds light on why some individuals become serious and violent delinquents — while others with a similar genetic makeup do not. The study, co-authored by UNC doctoral students Michael Roettger and Tianji Cai, was published in *American Sociological Review*.

Previous behavioral studies examining geneenvironment interactions have looked at the relationship of genes to a single factor such as child abuse or stress. Here, UNC researchers systematically examined several layers of social context, such as family dynamics, peer relations and school-related variables.

"Positive social influences appear to reduce the delinquency-increasing effect of a genetic variant, whereas the effect of these genetic variants is amplified in the absence of social controls," said Guo, who is also a faculty fellow at the UNC Carolina Population Center and the Carolina Center for Genomic Sciences.

"Our research confirms that genetic effects are not deterministic," Guo said. "Gene expression may depend heavily on the environment."

UNC TECHNOLOGY ENROLLED IN HUNT FOR LIFE ON MARS

Scientists looking for evidence of life on Mars are relying on technology invented by UNC researchers.

A team from NASA's Jet Propulsion Laboratory in Pasadena, Calif., has created a device for use on the European ExoMars Rover mission scheduled for launch in 2013.

The microfluidic or "lab-on-a-chip" device — which takes

its name from the fact that the credit-card sized invention can perform multiple detailed laboratory tests — could be used to analyze Martian soil and rock for traces of biological compounds.

But until they turned to materials called perfluoropolyethers (PFPEs), which were first pioneered for use in the field of microfluidics by UNC chemist Joseph DeSimone (see page 3) and his colleagues, the NASA team was having trouble making a chip that could withstand the rigors of the proposed mission.

Jason Rolland, who helped invent PFPE materials for microfluidic devices when he

was a graduate student in DeSimone's lab, said the devices can handle very small volumes of liquids through tiny channels, and are similar to microelectronic chips.

"It turned out that the material fit right into the sweet spot of what NASA's Jet Propulsion Laboratory needed to enable this device to work," said Rolland, co-founder and director of research and development at Liquidia Technologies, a company which licensed the technology from UNC.



HIGHLIGHTS

HARMFUL ALGAE TAKING ADVANTAGE OF GLOBAL WARMING

You know that green scum creeping across the surface of your local public water reservoir? Or maybe it's choking out a favorite fishing spot or livestock watering hole. It's probably cyanobacteria — blue-green algae — and, according to a paper in the journal *Science*, it relishes the weather extremes that accompany global warming.

Hans Paerl, a Kenan Professor of marine and environmental sciences, is co-author of the paper. He calls the algae the "cockroach of lakes." It's everywhere and it's hard to exterminate — but when

the sun comes up it doesn't scurry to a corner, it's still there, and it's growing, as thick as 3 feet in some areas.

The algae has been linked to digestive, neurological and skin diseases and fatal liver disease in humans. It costs municipal

water systems many millions of dollars to treat in the United States alone. And though it's more prevalent in developing countries, it grows on key bodies of water across the world, including Lake Victoria in Africa, the Baltic Sea, Lake Erie and bays of the Great Lakes, and in the main reservoir for Raleigh, N.C.

"It's long been known that nutrient runoff contributes to cyanobacterial growth. Now scientists can factor in temperature and global warming," said Paerl.

Fish and other aquatic animals and plants stand little chance against cyanobacteria. The algae crowds the surface water, shading out plants below. The fish generally avoid cyanobacteria, so they're left without food. And when the algae die, they sink to the bottom where their decomposition can lead to extensive depletion of oxygen.

Early bird doesn't always get the worm

New research from a UNC biologist runs somewhat counter to common wisdom, which holds that baby birds in eggs laid before their brood mates have a better chance of surviving long enough to leave the nest

But after studying a population of Lincoln's sparrows

in a remote stretch of Colorado, Keith Sockman, an assistant biology professor, has discovered that first-laid eggs are, in fact, the least likely to hatch at all.

"I believe this is the first study to follow siblings from laying through fledging and demonstrate that the effect of laying order on hatching is very different from its effect post-hatching," said Sockman.

Female Lincoln's sparrows lay one egg per day, usually producing three to five eggs. While carefully observing and tracking the tiny birds, Sockman noticed that typically, mothers do not settle down and start incubating the eggs right away. Sockman believes this contributes to the lower probability that first-laid eggs will hatch at all — but also helps to ensure that overall, a greater number of reasonably healthy, feisty chicks hatch and go on to develop into young birds.



Keith Sockman studied Lincoln's sparrows.



FAST TRACK FOR SCIENCE TEACHERS

A new program will increase the number of science teachers produced at UNC. Biology and physics majors will be offered a chance to earn N.C. teaching licensure while simultaneously completing their undergraduate science degrees.

North Carolina's public schools need 525 new science teachers each year, but the UNC system's 15 teacher education programs, including Carolina's, collectively produced only around 200 teachers in 2006–2007. Science is one of the highest need areas for qualified teachers in public schools today.

The School of Education and the College have collaborated to create the program UNC-BEST (UNC Baccalaureate Education in Science and Teaching) that will launch this fall.

In the past, an undergraduate science major at Carolina had to pursue additional study after graduation to fulfill the requirements for teaching licensure. Now, students can complete their science degree and fulfill licensure requirements during their undergraduate years.

"We know that one of the most important factors that influences young people to pursue careers in science is an excellent and enthusiastic high school teacher," said Laurie McNeil, chair of the department of physics and astronomy. "We expect that UNC-BEST graduates will help to increase the number of North Carolinians who prepare themselves to participate fully in the 'knowledge economy.""

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COLLEGE BOOKSHELF

• Holy Smoke: The Big Book of North Carolina Barbecue (UNC Press) by southern culture expert John Shelton Reed, fellow pork lover Dale Volberg Reed and alumnus William McKinney. This definitive guide to the people, places, holy rituals and culinary secrets behind the world's best 'cue, includes: interviews with pit

masters, instructions for cooking a whole hog, recipes from Crook's and Mama Dip's, and lyrics from Clyde Edgerton, the Bluegrass Experience and the Red Clay Ramblers.

• Dreaming Up America (Seven Stories Press) by Russell Banks '67. The UNC College alumnus and acclaimed novelist has published his first nonfiction book, a collection of essays on American origins, values, heroes, conflicts and contradictions. Banks draws on literature, film, history and contemporary politics to explore the intermingling creative and destructive

forces that have shaped and changed the American dream.

· Experimental Philosophy

(Oxford University Press) co-edited by Joshua Knobe (UNC) and Shaun Nichols (University of Arizona). In one of the most exciting and controversial recent developments in the field, philosophers are engaging

human subjects directly to learn more about what people think and how routine intuitions affect personal perspective. This volume brings together leading articles and papers on this new approach.



• Old War: Poems
(Houghton Mifflin) by
Alan Shapiro. This ninth
collection of poems by
the UNC W.R. Kenan Jr.
Distinguished Professor
of English explores the
vagaries of love and the
place of beauty in a time
of war. Shapiro uses
varied forms (first-person

dramatic monologues) and characters (from a countryand-western singer to a Jewish stand-up comic in heaven).

lyrics to

Cuba in the American
Imagination (UNC Press)
by Louis A. Pérez Jr. The
eminent Cuban historian
discusses the powerful
metaphors used in
popular political narratives
to describe the United States' troubled

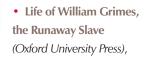
relationship with its island neighbor: Cuba as ripe fruit, a woman, a child learning to ride a bicycle. Perez is J. Carlyle Sitterson Professor of History and director of UNC's Institute for the Study of the Americas.

• General Lee's Army (Simon & Schuster) by Joseph T. Glatthaar. The renowned UNC historian

and Alan Stephenson Distinguished Professor drew from letters, diaries and official records to rewrite the story of General Robert E. Lee's Army of Northern Virginia and of the Civil War itself. The author's scholarship and vivid narrative, and the soldiers' own words, will carry readers from Manassas, Antietam and Gettysburg to the final surrender at Appomattox.

• The Magical Campus: University of North Carolina Writings of Thomas Wolfe (University of South Carolina Press), coedited by Matthew J. Bruccoli and Aldo P. Magi, foreword by Pat Conroy. This first-ever collection of Wolfe's earliest published

> work, created while he was a Chapel Hill undergraduate, includes poems, plays, short fiction, news articles and essays. Wolfe began his studies at UNC in 1916 at age 15. Magi's library of more than 3,000 Wolfe items is housed at Carolina.



co-edited by William L. Andrews and Regina E. Mason. Grimes' autobiography is the first fugitive slave narrative in American history, which the author wrote and published on his own in 1823 and 1855. This annotated edition represents a historic partnership between Andrews, a leading scholar of North American slave narratives, and Mason, Grimes' great-great granddaughter, who spent 15 years researching and documenting his life. Andrews, UNC's E. Maynard Adams Professor of English and Senior Associate Dean for Fine Arts and Humanities, is editor of another new volume, The Portable Charles W. Chesnutt (Penguin Classics), a selection of works by the late-19th century author. Chestnutt was the first African-American novelist to achieve national critical acclaim. •





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TRIBUTE



Holden Thorp

Thank you, Chancellor Thorp

Congratulations to Holden Thorp, the Kenan professor of chemistry who was promoted to University Chancellor July 1, after a dazzling year as dean of the College of Arts and Sciences.

During his term, the College added 47 outstanding teachers and scholars to its faculty and attracted \$57 million-plus in private gifts and pledges (a record), establishing 40 new funds to support first-class faculty, students, programs and facilities.

Thorp would be the first to attribute these accomplishments to the dedication of many individuals, including University and College officials, previous deans,

faculty, professional staff and generous volunteers and donors.

But there is no denying that Thorp's leadership was catalytic. At every opportunity, he affirmed the role of the College as an exciting place of discovery and innovation, where students receive an exceptional liberal arts education in the context of a leading research university.

He was committed to building and boosting the best academic programs by attracting private funds for professorships that enable the College to recruit and retain rising junior faculty as well as accomplished academic stars.

Highlights of the Thorp term include major new gifts that will double the size of the Honors Program (see page 21) and create 15 endowed professorships, eight funds for faculty research and excellence, and 11 funds for student scholarships, fellowships and study abroad opportunities.

"Holden was only with us for a year, but in that short time breathed a whirlwind of life into the College," said Ivan V. "Andy" Anderson '61, chair of the Arts and Sciences Foundation Board of Directors. "Whether it was promoting research for new learning or aggressively raising money, he gave new meaning to the old chestnut 'hit the ground running.' On behalf of the College, we are proud to have supplied our great university with its 10th Chancellor."

It's no wonder that Thorp was tapped in the national search for a new Chancellor. In addition to his stunning year leading the College, he is an award-winning teacher and scholar with a track record for leadership and service at Carolina. He chaired the department of chemistry, directed the Morehead Planetarium and Science Center, and served as faculty director of the \$17 million campaign for the new Carolina Physical Science Complex. He has published more than 130 scholarly articles and invented technology that is the basis for 19 issued or pending patents.

Thorp was born in Fayetteville, N.C., graduated from UNC's College of Arts and Sciences with a degree in chemistry in 1986, and earned a Ph.D. from California Institute of Technology only three years later. He joined UNC's faculty in 1993, rising to full professor in 1999.

He is writing a book about the entrepreneurial university.

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